

Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A needleless syringe for injecting an active principle (7) ~~initially placed between, on the one hand, principle, comprising:~~

~~_____ an injector (1,10) comprising~~including at least one injection nozzle, said injector being placed at the downstream end (2) of the ~~syringe, and, on the other hand,~~
syringe; and

~~_____ a wall (8) that can be displaced under the effect of a propulsive system (9) pressurizing and expelling the active principle through the injector, characterized in that the~~
wherein:

~~_____ the active principle is initially placed between the injector and the wall, and~~

~~_____ the injector (1, 10) consists of the~~includes an assembly of at least two elements (3, 4, 5, 6, 33, 34); each ~~element of said elements~~ having a downstream face, an upstream face and a lateral surface joining ~~them said elements~~ together, the ~~contacting lateral~~ surfaces (30, 40, 40', 50, 60, 330, 340) of said elements in the assembly being wholly or partly lateral ~~surfaces of said elements~~in contact with each other to define contacting surfaces; at least one of the ~~contacting lateral~~ surfaces having at least one groove (31, 41, 41', 53, 54, 55) which constitutes ~~an the~~ injection nozzle in the assembly of said elements; and the injection nozzle being located between the lateral surfaces.

2. (Currently Amended) The needleless syringe ~~as claimed in~~ according to claim 1, ~~characterized in that~~wherein the contacting surfaces (30, 40, 40') are non-planar ~~surfaces of revolution.~~

3. (Currently Amended) The needleless syringe ~~as claimed in~~ according to claim 1, ~~characterized in that~~wherein the contacting surfaces (50, 60) are flat-planar surfaces.

4. (Currently Amended) The needleless syringe ~~as claimed in~~ according to claim 1, ~~characterized in that wherein~~ the groove (31, 41, 41') is straight.

5. (Currently Amended) The needleless syringe ~~as claimed in~~ according to claim 1, ~~characterized in that wherein~~ the groove is helical.

6. (Currently Amended) The needleless syringe as claimed in claim 1, ~~characterized in that a groove (54) wherein the groove~~ is formed by the convergence of at least two grooves beginning from the upstream face and ending in a single groove towards the downstream face of the ~~element (34) element~~.

7. (Currently Amended) The needleless syringe ~~as claimed in~~ according to claim 4, ~~characterized in that wherein~~ the groove (31, 41, 41') has a constant cross section.

8. (Currently Amended) The needleless syringe ~~as claimed in~~ according to claim 4, ~~characterized in that wherein~~ the groove (53, 54, 55) has an evolving cross section.

9. (Currently Amended) The needleless syringe ~~as claimed in~~ according to claim 1, ~~characterized in that the injector (1) includes a support (4) comprising a housing into which wherein said elements include a support and a one-piece core (3, 33, 34) is fitted into the support.~~

10. (Currently Amended) The needleless syringe ~~as claimed in~~ according to claim 1, ~~characterized in that the injector comprises wherein said elements include a support and at least one core consisting of having~~ at least two quarters assembled via their flat faces to form the at least one core with a the nozzle of evolving cross section, the quarters of the ~~various~~ cores being fitted into ~~housings of a~~ the support.

11. (Currently Amended) The needleless syringe ~~as claimed in~~ according to claim 1, ~~characterized in that the injector (10) comprises wherein said elements include a support and at least one core consisting~~ two cores, each core comprising of at least two quarters (5, 6) ~~assembled by their~~ each having a flat faces face, the flat faces being assembled (50,

~~60) to form at least one each core with a nozzle (55) the nozzle with an evolving cross section, and the quarters (5, 6) of the various cores each core being held together by overmolding (45) overmolding.~~

12. (Currently Amended) An injector (1, 10) for a needleless syringe, ~~characterized in that said injector consists comprising an assembly of at least two elements (3, 4, 5, 6, 30, 33, 34); elements, wherein:~~

~~_____ each element of said elements having a downstream face parallel to the downstream face of the injector, an upstream face and a lateral surface joining them said elements together, the contacting lateral surfaces (30, 40, 40', 50, 60, 330, 340) of said elements in the assembly being wholly or partly lateral surfaces of said elements in contact with each other to define contacting surfaces; and at least one of the contacting lateral surfaces comprising having at least one groove (31, 41, 41', 53, 54, 55) which constitutes an injection nozzle in the assembly of said elements; and the injection nozzle being located between the lateral surfaces.~~